

Title (en)  
PROCESS FOR THE IN-SITU PREPARATION OF SINGLE-SITE TRANSITION METAL CATALYSTS AND POLYMERIZATION PROCESS

Title (de)  
VERFAHREN ZUR IN-SITU-HERSTELLUNG EINES SINGLE-SITE-ÜBERGANGSMETALLKATALYSATORS UND  
POLYMERISATIONSVERFAHREN

Title (fr)  
PROCEDE POUR LA PREPARATION i IN SITU /i DE CATALYSEURS A METAUX DE TRANSITION MONOSITES ET PROCEDE DE  
POLYMERISATION

Publication  
**EP 1189698 A1 20020327 (EN)**

Application  
**EP 00936002 A 20000517**

Priority  
• US 0013479 W 20000517  
• US 31800999 A 19990525

Abstract (en)  
[origin: WO0071251A1] The invention relates to a process for the in-situ preparation of alkylated single-site transition metal catalysts by contacting a precatalyst with an alkylating agent in the polymerization system. The precatalyst, which is produced prior to introducing into the polymerization system, is obtained by contacting a transition metal complex and boron-containing ionizing agent, optionally, with a support.

IPC 1-7  
**B01J 31/00**; B01J 37/00; C08F 4/02; C08F 4/60

IPC 8 full level  
**B01J 31/14** (2006.01); **B01J 31/22** (2006.01); **C08F 4/02** (2006.01); **C08F 4/60** (2006.01); **C08F 4/642** (2006.01); **C08F 4/659** (2006.01);  
**B01J 31/16** (2006.01); **B01J 37/00** (2006.01); **C08F 4/6592** (2006.01); **C08F 10/02** (2006.01); **C08F 110/02** (2006.01); **C08F 210/16** (2006.01)

CPC (source: EP US)  
**B01J 31/143** (2013.01 - EP US); **B01J 31/146** (2013.01 - EP US); **B01J 31/2295** (2013.01 - EP US); **C08F 4/65912** (2013.01 - EP US);  
**B01J 31/1616** (2013.01 - EP US); **B01J 37/00** (2013.01 - EP US); **B01J 2531/48** (2013.01 - EP US); **B01J 2531/49** (2013.01 - EP US);  
**C08F 4/65908** (2013.01 - EP US); **C08F 4/65916** (2013.01 - EP US); **C08F 4/6592** (2013.01 - EP US); **C08F 4/65925** (2013.01 - EP US);  
**C08F 4/65927** (2013.01 - EP US); **C08F 10/02** (2013.01 - EP US); **C08F 110/02** (2013.01 - EP US); **C08F 210/16** (2013.01 - EP US);  
**C08F 2410/01** (2013.01 - EP US)

C-Set (source: EP US)  
1. **C08F 110/02 + C08F 2500/12**  
2. **C08F 210/16 + C08F 210/08 + C08F 2500/12 + C08F 2500/03 + C08F 2500/07**

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0071251 A1 20001130**; AU 5137600 A 20001212; CA 2370943 A1 20001130; EP 1189698 A1 20020327; EP 1189698 A4 20021016;  
MX PA01012020 A 20020702; US 2002010075 A1 20020124; US 6291386 B1 20010918; US 6790805 B2 20040914

DOCDB simple family (application)  
**US 0013479 W 20000517**; AU 5137600 A 20000517; CA 2370943 A 20000517; EP 00936002 A 20000517; MX PA01012020 A 20000517;  
US 31800999 A 19990525; US 92135501 A 20010802